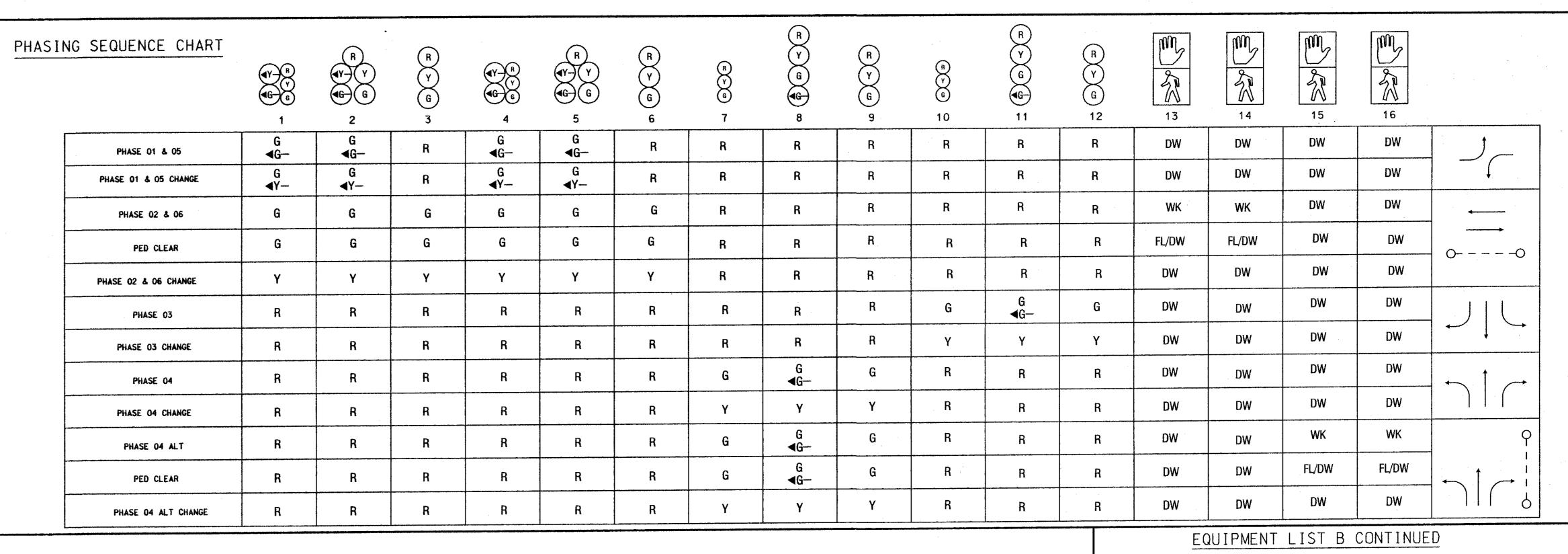
·,								
Γ	Ι.	GENERAL	PROJECT DESCR	IPTION				
		This project in provide for a n and the Town Ce span wires will be installed.	nvolves the reconstruction new leg at the intersection onter Plaza Entrance. The be removed and new sign	n of an existing signal to on of US Route 40 Alternate e existing strain poles and all poles and mast arms will four traffic signals will be				
	11.	INTERSECTION OP	ERATION					
	•	1. The inters	ection is to operate in a the North—South approach	n NEMA 8-phase, semi-actuated nes running separately.				
	111.	CONTROLLER REQU	IREMENT					
		1. Install a full-traffic-actuated, eight-phase controller with one (1) four channel, time-delay-output loop detector amplifiers, intersection monitor with battery back-up for phone drop, video detection interface modules and associated harnesses housed in a NEMA size "6" base mounted cabinet. Video interface equipment will be reinstalled from the existing controller.						
	IV.			tration Signal Shop shall be				
		responsibl	e for installing all equi					
	THE (CONTACT PERSONS	FOR DISTRICT #7 ARE AS FO					
	DISTR	ROBERT FISHER RICT ENGINEER 0 624-8101	MR. MARK FLACK ADE CONSTRUCTION (301) 624-8201	MR. RICHARD DAFF DIVISION CHIEF. TOD (410) 787-7630				
		JOHN CONCANNON FRAFFIC 624-8140	MR. BARRY KING CHIEF. TEDD (410) 787-4011					
			QUIPMENT LIST E	-				
	B. EQUIP		SHED AND INSTALLED BY CO	NTRACTOR.				
	LS	MAINTENANCE OF	TRAFFIC					
	3 CY	TEST PIT EXCAN	/ATION					
	16 CY	FURNISH AND IN	NSTALL CONCRETE FOR SIGNA	L FOUNDATION				
	340 LF FURNISH AND INSTALL 12 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE							
	130 LF	FURNISH AND IN	NSTALL 24 IN. WHITE PERMA	NENT PREFORMED PAVEMENT MARKING TAPE				
	4 EACH FURNISH AND INSTALL 12 IN., ONE-WAY. THREE SECTION (R.Y.G) BLACK-FACED TRAFFIC SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR MAST ARM MOUNTING.							
	2 EACH FURNISH AND INSTALL 12 IN., ONE-WAY, FIVE SECTION (R,Y,YA,G,GA) BLACK-FACED TRAFFIC SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR MAST ARM MOUNTING.							
	2 EACH		•	OUR SECTION (R.Y.G.GA) BLACK—FACED ACKET FOR MAST ARM MOUNTING				
	1 EACH		GNAL HEAD WITH ADJUSTABLE	WO SECTION (WALK, DON'T WALK) BRACKET FOR PEDESTAL POLE MOUNTING				
	2 EACH			WAY, FIVE SECTION (R.Y.YA.G.GA) BLACK- BLE BRACKET FOR MAST ARM MOUNTING				
	2 EACH	TRAFFIC SIGNAL	. HEAD WITH ADJUSTABLE BR	REE SECTION (R.Y.G) BLACK-FACED ACKET FOR MAST ARM MOUNTING				
	3 EACH		GNAL HEAD WITH ADJUSTABLE	WO SECTION (WALK, DON'T WALK) BRACKET FOR MAST ARM POLE MOUNTING				
	2 EACH	•	NSTALL PEDESTRIAN PUSHBUT NATIONAL PIKE".	TON AND R10-4(2) SIGN - "PUSHBUTTON				
	1 EACH	CONTROLLER WIT		TRAFFIC-ACTUATED. SOLID STATE DIGITAL ITH BATTERY BACK-UP FOR PHONE DROP. CABINET.				
	153 SF	FURNISH AND	INSTALL SHEET ALUMINUM SI	GNS				
		- 4 EACH - 2 EACH	R3-5R SIGN (30" X 36") D3-2 (VAR. X 16") - MAS ASSOC. SH. ASSEBLY (36"	- MAST ARM MOUNT T ARM MOUNT				
	5 EACH	FURNISH AND IN	NSTALL 34 IN. X 10 FT. GRO	OUND ROD				
	1 EACH	FURNISH AND IS	SNTALL MAST ARM POLE AND	TWIN 38 FT./70 FT. MAST ARMS				
	1 EACH		NSTALL MAST ARM POLE AND					
	1 EACH		NSTALL MAST ARM POLE AND					
	4 EACH		NSTALL INTERFACE CABLE FO					
	30 LF 490 680 LF		NSTALL ELECTRICAL CABLE-1 NSTALL ELECTRICAL CABLE-2					
	3 ≯ € LF 430	FURNISH AND II (NO. 12 AWG)	NSTALL ELECTRICAL CABLE-2	CONDUCTOR TYPE T/C				



TO INTERSECTION

B) RECONSTRUCT FOR

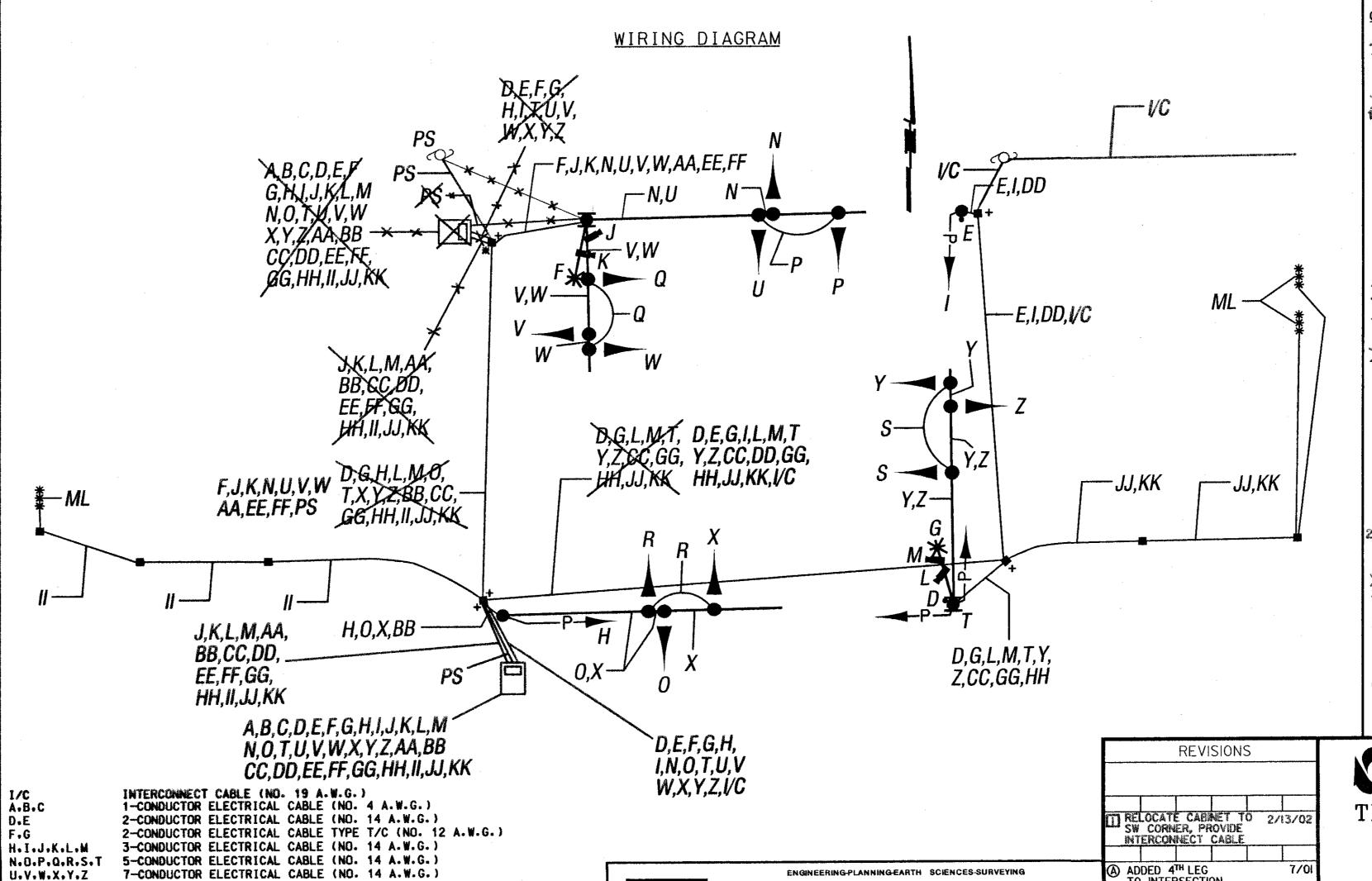
NEW GEOMETRICS

GREENHORNE & O'MARA, INC.

810 GLENEAGLES COURT, SUITE 106, BALTIMORE, MARYLAND 21286

(410) 583-6700

ANNAPOLIB,MD-BALTIMORE,MD-ATLANTA,GA-TAMPA,FL-FAIRFAX,VA-WEST PALM BEACH,FL



STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

POWER SERVICE FOR CAMERA

MICRO-LOOP PROBE LEAD-IN

MICRO-LOOP PROBE SET

PROPOSED ELECTRICAL SERVICE

34 IN. X 10 FT. GROUND ROD

AA.BB.CC.DD

EE.FF.GG.HH

II.JJ.KK

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY CONTRACTOR. FURNISH AND INSTALL 4 IN. SCHEDULE 40 RIGID PVC CONDUIT (TRENCHED) FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT (BORED) FUNNISH AND INSTALL 3 IN. SCHEDILE SO RIGID PVC COMBUIT (BURED) FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED) FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED) 1 EACH FURNISH AND INSTALL 10 FT. BREAKAWAY PEDESTAL POLE 9 EACH FURNISH AND INSTALL ELECTRICAL HANDHOLE REMOVE AND DISPOSE OF EXISTING MATERIALS REMOVE AND RELOCATE CAMERA ASSEMBLY 1 EACH 370 LF FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO.14 AWG) 1280 1**22**0 LF FURNISH AND INSTALL ELECTRICAL CABLE-7 CONDUCTOR (NO. 14 AWG) FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG) FURNISH AND INSTALL 15 FT. LIGHTING ARM FOR TRAFFIC SIGNAL STRUCTURE 2 EACH FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL 3 EACH FURNISH AND INSTALL CAMERA ASSEMBLY FURNISH AND INSTALL FOUR-CHANNEL, LOOP DETECTOR AMPLIFIER FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR) 150 LF FURNISH AND INSTALL INTERCONNECT CABLE (NO. 19 AND) FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEX. CONDUIT (DETECTOR SLEEVE) 20 LF FURNISH AND INSTALL MICRO-LOOP PROPE SET WITH 500 FT. LEAD-IN FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN FURNISH AND INSTALL ELECTRICAL CABLE-3 CONDUCTOR (NO. 14 AWG) 1270 LF 1150 EQUIPMENT LIST C CONTINUED C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION Traffic Signal Plan

THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY

US 40 ALT AT TOWN CENTER PLAZA ENTRANCE

		m			
WN BY:	CJP	F.A.P. NO.	XXX	TS NO.	
CKED BY	: JMC	S.H.A. NO.	XXX	<u> 1919B</u>	SHEET NO.
LE:	1" = 20'	COUNTY:	FREDERICK	T.I.M.S. NO.	0 0
E :	OCTOBER 31, 2001	LOG MILE:	6.10	<u>E694</u>	OF

J:/TRANS/0251/SignalDesign/2D-DGN/TS02(A)

February 13, 2002 10:00